

200300101

THIE UNITED SHATES OF AMERICA

TO ALL TO WHOM THESE: PRESENTS SHALL COME:

Pioneer Hi-Bred International, Inc.

TIPLES, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREPORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITIORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN DUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY SCITION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

"93M80"

In Testimonn Mercent, I have hereunto set my hand and caused the seal of the Hant Anxiety Arotection Office to be affixed at the City of Washington, D.C. this twenty fourth day of June, in the year two thousand three.

Au.

J.C.M.J.C. Commissioner

Commissioner Plant Variety Protection Office Agricultural Marketing Service Greman

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information colle	ction burden statement	on reverse)			. Intornation is neid comidentia			
NAME OF OWNER Ploneer Hi-Bred Inte	ernational, Inc				2. TEMPORARY DESIGNATE EXPERIMENTAL NAME	TON OR	3. VARIETY NAME 93M80	
4. ADDRESS (Street and No., or R.F.D. No 7300 N. W. 62 nd Avenue	., City, State, and ZIP Code, a	nd Country)	**		5. TELEPHONE (include	area code)	FOR OFFICIAL USE ONLY	
P.O. Box 1004 Johnston, IA 50131					515-254-2638	9 n	produmber 101	
ia.					6. FAX (include area coo	e)	000	
**	*****				515-253-2478		FILING DATE	
7. IF THE OWNER NAMED IS NOT A "PER ORGANIZATION (corporation, partnership	SON", GIVE FORM OF p, association, etc.)	STA	ICORPORATE OF INCC	TED, GIVE PRPORATION	9. DATE OF INCORPORATI May 6, 1926	ON	1/28/03	
Corporate 4		lowa					Salaria Salaria	
10. NAME AND ADDRESS OF OWNER F Daria Schmidt, Ph. D., 7300 N.W. 62 th Avenue P.O. Box 1004 Johnston ,IA 50131-1004	REPRESENTATIVE(S) TO SEP Steve Callestine, Exq 7100 N.W 62 nd Avenue P.O Box 1000 Johnston, IA 50131-1000	RVE IN THIS APPL	ICATION. (F	irst person listed will	receive all papers)		FILING AND EXAMINATION FEES: \$ 2705, DATE 1/28/03 CERTIFICATION FEE: \$ 432	
11. TELEPHONE (Include area code)	12. FAX (Include area co	ode)	13. E-N	/AIL		14. CRC	OP KIND (Common Name)	
515-254-2638	515-253-2478		daria.schr	midt@pioneer.com		Soybean		
18. CHECK APPROPRIATE BOX FOR EACH reverse) a. X Exhibit A. Origin and Breed b. X Exhibit B. Statement of Dist c. X Exhibit C. Objective Descrip d. X Exhibit D. Additional Descrip e. X Exhibit E. Statement of the I f. X Voucher Sample (2,500 viab verification that tissue culture verpository) g. X Filing and Examination Fee (States" (Mail to the Plant Varie)	ties, public ed CED	19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? See Section 83(a) of the Plant Variety Protection Act) YES (If "yes", answer items 20						
OTHER COUNTRIES?	-03ED OF, TRANSFERRED,	OK USED IN THE	U. S. OR	П	NGHT <i>(PLANT BREEDER'S RI</i>	GHI OR PAI	•	
YES IF YES, YOU MUST PROVIDE THE DAT FOR EACH COUNTRY AND THE CIRCL	E OF FIRST SALE, DISPOSITI	TION, TRANSFER, ace indicated on re	OR USE	IF YES, GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)				
24. The owners declare that a viable sample of for a tuber propagated variety a lissue cult the undersigned owner(s) is(are) the own and is entitled to protection under the protection of the false of the company of the protection of the false of the f	ner of this sexually reproduced visions of Section 42 of the Pla	or tuber propagate int Variety Protecti	ed plant varie on Act.	ety, and believe(s) th				
SIGNATURE OF OWNER				SIGNATURE OF C	DWNER			
Dani art. Anha!	dt				•			
NAME (Please print or type)	(V)			NAME (Please print or type)				
Daria H. Schmidt				, ,				
CAPACITY OR TITLE Director, Technology Integration and Associati	ve Genetics DA	13/03		CAPACITY OR TIT	LE		DATE	
ST-470 (04-01) designed by the Plant Variety Pro	otection Office with WordPerfe	ct 6.0a. Replaces	STD-470 (0	2-99) which is obsole	ete. (See reverse for ins	ructions and	information collection burden statement)	

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,705 (\$320 filling fee and \$2,385 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$320 for issuance of the certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

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ITEM

- 18a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
 - (2) the details of subsequent stages of selection and multiplication;
 - (3) evidence of uniformity and stability; and
 - (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively:
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 21. See Section 83 of the Act for the Contents and Term of Plant Variety Protection.
- 22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 23. See Section 5.5 of the Act for instructions on claiming the benefit of an earlier filing date.
- 21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)
- 23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)
- U.S. Patent 4,940,835 issued to Shah et al. as per the Roundup Ready Gene in this variety

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the variety names proposed by contacting: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center--East, Beltsville, MD 20705. Telephone: (301) 504-8089.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this collection of information is (0581-0055). The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact the USDA's TARGET Center at 202-720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer

ST-470 (04-01) designed by the Plant Variety Protection Office with WordPerfect 6.0a. Replaces ST-470 (02-99) which is obsolete.

Exhibit A. Origin and Breeding History of the Variety

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Soybean Variety 93M80

Variety 93M80 evolved from a cross made in the summer of 1996 in lowa with the following parentage:

Parentage: 93B82/P00048

P00048 = A3431/94B01*

*94B01 is a commercial line with the Roundup Ready (40-3-2) gene

Variety 93M80 is an F3-derived line which was advanced to the F4 generation by modified single-seed descent. The F4 progeny row of 93M80 was grown in a plant row yield trial in the summer of 1998. Subsequently, 93M80 has undergone four years of extensive testing and purification and has been observed by the breeder to be uniform and stable for all plant traits from generation to generation, with no evidence of variants. On the basis of yield, Phytophthora resistance, resistance to soybean cyst nematode, and resistance to Roundup branded herbicides, variety 93M80 was assigned a commercial number.

The purification block was grown in 2000 lowa in 72 subline rows, of which 47 were harvested. A half-acre increase was grown in Argentina in 2000/2001. Six (6) acres of parent seed stock were grown in 2001. One thousand fifty (1050) acres of parent and production seed were grown in the summer of 2002.

Exhibit B. Statement of Distinctness

200300101

Soybean Variety 93M80

Variety 93M80 is most similar to 93B85. Both varieties have purple flowers, yellow seed with black hila, resistance to Race 3 of soybean cyst nematode, and resistance to Roundup branded herbicides. However, 93M80 has light tawny pubescence and multi-race resistance to *Phytophthora megasperma* as governed by the Rps1c gene whereas 93B85 has tawny pubescence and does not carry a resistance gene at the Rps1 locus.

Variety 93M80 is also similar to 93B82. Both varieties have purple flowers, light tawny pubescence, and yellow seed with black hila. However, 93M80 has resistance to Race 3 of soybean cyst nematode, multi-race resistance to *Phytophthora megasperma* as governed by the Rps1c gene, and resistance to Roundup branded herbicides whereas 93B82 has multi-race resistance to *Phytophthora megasperma* as governed by the Rps1k gene, is susceptible to Race 3 of soybean cyst nematode, and is susceptible to Roundup branded herbicides.

Variety 93M80 is also similar to S38-T8 from Novartis (Syngenta). Both varieties have purple flowers, yellow seed with black hila, multi-race resistance to *Phytophthora megasperma* as governed by the Rps1c gene, and resistance to Race 3 of soybean cyst nematode. However, 93M80 has light tawny pubescence and resistance to Roundup branded herbicides whereas S38-T8 has tawny pubescence and is not resistant to Roundup branded herbicides.

Genes listed in Blue

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Form Approved - OMB No. 0581-0055

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U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE **BELTSVILLE, MD 20705**

EXHIBIT C (Soybean)

ORJECTIVE DESCRIPTION OF VARIETY

	S	OYBEAN (Glyci		r.)	•
NAME OF APPLICANT(S)				-	FOR OFFICIAL USE ONLY
Pioneer Hi-Bred, International					PVPO NUMBER
ADDRESS (Street and No. or R.F.D. No., City, S	tate, and Zip Cod			2	00300101
7200 62nd Avenue			•		VARIETY NAME
P.O Box 1004 Johnston, IA 50131-1004					93M80
	*	.*			
					TEMPORARY OR EXPERIMENTAL DESIGNATION
PLEASE READ ALL INSTRUCTIO	NS CAREFULLY: Place	the appropriate nun	iber that describes tl	ie varietal charac	cter of this variety in the boxes below.
Place a zero in the first box (e.g.	9 9 9 0	r 0 9)	when number is ei	ther 99 or less or	9 or less respectively. Data for
quantitative	9 9 9 9 0	0 3			·
-					At the same total Board
plant characters chould be based on a	minimum of 100 plants.	Comparative data s	hould be determined	l from varieties e	ntered in the same trial. Royal
Horticulutral Society or any recogniz	ed color standard may be	used to determine p	lant colors; designat	e system used:	•
Please answer all questions for your	ariety; lack of response o	nay delay progress o	f your application.		•
		······································	· · · · · · · · · · · · · · · · · · ·		
A. MORPHOLOGY				4.	
Seed Shape		·			
1 = Spherical		2 = Snh	erical - Flattene	d	
(L/W, L/T, and	Γ/W ratios < 1.2)	•	atio > 1.2; L/T ra		
	,	•	•		
3 = Elongated			ngate - Flattened		
(L/T ratio . 1.2;	1/W ratio < 1.2)	(L/1 ra	tio > 1.2;T/W ra	tio > 1.2)	
Seed Coat Color:		•			
4			. •		
1 = Yellow	2 = Green	3 = Brown	4 = Black	5 = Other	•
	%			(Please S _l	pecify
Seed Coat Luster:				· · · · · · · · · · · · · · · · · · ·	
1 - 1 - 1	2 = Shiny				
1 = Dull	z = Smny				
Seed Size:		· ·			•
17.4 grams/100	seeds				
		•			
Hilum Color:					
6 1 = Buff	2 = Yellow	3 = Brown	4 = Gray	5 = Imper	fect Black
6 = Black	7 = Other (Place)				
U - Diack	i – Other (Fit	use specify)			

A. MORPHOLOGY (Continued)

Cotyledon Color:

1

1 = Yellow

2 = Green

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Seed Protein Peroxidase Activity:

2

1 = Low

2 = High

Hypocotyl Color:

1 = Green ('Evans' or 'Davis')

2 = Green with Bronze **Bands** below Cotyledons ('Woodworth' or 'Tracy') 3 = Light Purple below Cotyledons 4 = Dark Purple extending to

Leaflet Shape:

3

1 = Lanceolate

2 = Oval

3 = Ovate

4 = Other (Please Specify)

('Beeson' or 'Pickett 71')

unifoliolate leaves ('Hodgson', 'Coker', or

Flower Color:

2

1 = White

2 = Purple

3 = White with a Purple Throat

Pod Color:

1 = Tan

2 = Brown

3 =Black

Pubescence Color:

3

1 = Gray

2 = Brown (Tawny)

3 =Light Tawny

Plant Habit:

3

1 = Determinate

2 = Semi - Determinate

3 =Indeterminate

4 =Intermdeiate

Maturity Group:

06

1 = 000

2 = 00

3 = 0

4 = I

5 = II

6 = III

7 = IV

8 = V

9 = VI

10 = VII

11 = VIII

12 = IX

13 = X

14 = XI

15 = XII

Maturity Subgroup:

8

Please enter a value from 0 - 9

B. DISEASE REACTION

0 = Not Tested

1 = Susceptible

2 = Resistant

3 = Tolerant

Bacterial

0

Bacterial Pustule (Xanthomonas campestri pv. glycines (Nakano) Dye)

1

Bacterial Blight Pseudomonas syringa pv. glycinea (Coerper) Young, Dye, and Wilkie)

0

Wildfire Blight Pseudomonas syringa pv. tabaci (Wolf Foster) Young, Dye, Wilkie)

B. DISEASE REACTION	(Continued)	0 = Not Tested	1 = Susceptib	l 2 = Resistant	3 = Tolerant
Fungal 1 Brown Spot (Septo	oria glycines <mark>H</mark> emmi)			2 (0300101
Frogeye Leaf Spot	(Cercospora sojina	Hara)			
0 race 1	0 race 2		0 rac	e 3	0 race 4
0 race 5	0 race 6		Otl	ne (Please Specify)	
0 Target Spot (Coryn	espora cassiicola (E	BerkCurt.) Wei)		
0 Downey Mildew (Per	ronospora trifolioru	ım var. manchuri	c (Naum.) Syd.	ex Gäum)	
0 Powdery Mildew (M	icrosphaera diffusa	Cke. and Pk.)			
2 Brown Stem Rot (P.			mborloin) W. C		
Di own Stem Rot (1)	munopnoru greguiu	(Annugion Cha	mberiam) w. G	ams.)	
O Stem Canker (Diape	orthe phaseolorum	(Cke. and Ell.) S	acc. var <i>caulivo</i>	ra Athow and Cald	well
Pod and Stem Blight	(Diaporthe phase	olorum (Cke. and	i Ell.) Sacc. var	sojae (Lehman) W	ehm
O Purple Seed Stain	(Cercospora kikuch	uii (T. Matsu. an	id Tomoyasu) G	ardener)	
1 Rhizoctonia Root Ro	t (Rhizoctonia solo	ani Kühn)			
Phytophthora Root Rot (Phyto	ophthora megasperi	na Drechs. f. sp	glycinea (Kua	ın Erwin))	
0 race 1 0	race 8	0 race 15	0	race 22	
0 race 2 0	race 9	0 race 16	0	race 23	
1 race 3 0	race 10	0 race 17	0	race 24	
1 race 4 0	race 11	0 race 18	1	race 25	
0 race 5 0	race 12	0 race 19	0	race 26	
0 race 6 0	race 13	0 race20		Other (Please Spe	ecify)
2 race 7 0	race 14	0 race 21			
1 Bud Blight (Tobacco l	Ringspot Virus)				
1 Yellow Mosaic (bean	Yellow Mosaic Viri	rs)			

. DISE	CASE REACT	IONS	(Continu	(ed) $0 = No$	t Tested	1 = Susceptible	2 = Resistant	3 = Tolerant
Fungal								
1	Cowpea Mosai	c (Cov	pea Chloroti	ic Virus)			20	0300101
1	Pod Mottle (Be	an Po	l Mottle Viru	ıs)				a de la companya de l
1	Seed Mottle (Se	oybean	Mosaic Viru	ıs)				
Vemato	de							
oybear	n Cyst Nematode	(Heta	erodera glycir	nes Ichinohe	e)			
1	race 1	0	race 4	0	race 9			
0	race 2	0	race 5	0	race 14			
2	race 3	0	race 6		Other	(Please Specify)		
0	Lance Nematod	le <i>(H</i>	oploaimus co	<i>lumbus</i> Sher	:)			
0	Southern Root	Knot N	ematode (A	Aeloidogyne	incognita	(Kofoid and Whi	te) Chitwo	
0	Northern Root	Knot N	Tematode <i>(N</i>	Aeloidogyne	<i>hapla</i> Ch	itwood)		
0	Peanut Root Kn	ot Ner	natode <i>(Melo</i>	oidogyne are	naria (Ne:	al) Chitwood)		
0	Reniform Nema	tode (Rotylenchus	reniformu]	Linwood a	and Olivera)		
0	Javanese Nemat	ode (Meloidogyne j	javanica (T	reub) Chi	twood)		
	Other Nematode	e (Ple	ase Specify)					
PHYS	SIOLOGICAL	RES	PONSES	0 = Not	Tested	1 = Susceptible	2 = Resistant	3 = Tolerant
	Iron Chlorosis o					- · · ·		
0	Phosphorus	,			Oth	er <i>(Please Speci</i> j	(h)	
0	Boron							
0	Aluminu							
0	Salt							
	Drought		•			· ·		

D. INS	ECT REACTIONS	0 = Not Tested	1 = Susceptible	2 = Resistant	3 = Tolerant
Fungal	· ·				
0	Mexican Bean Beetle <i>(Epila</i>	chna varivestis Mulsant)			
0	Potato Leaf Hopper (Empod	asca fabae (Harris))		200	300101
0	Other (Please Specify)			· · · · · · · · · · · · · · · · · · ·	
E. HER	RBICIDE REACTIONS	0 = Not Tested	1 = Susceptible	2 = Resistant	
0	Metribuzin				
0	Bentazone				
1	Sulfonylurea				
2	Glyphosate				
0	Glufosinate				
0	Pendimethalin				
0	Other (Please Specify) 0				
F. TRA	NSGENIC COMPOSITION	ON			
Has the de	evelopment of the subject varie	ty included the insertion of	genetic material fr	om an organism o	ther than a sovbean.
	noval of genetic material from		✓ Yes	□ No	,
f yes, plea	ase complete the following info	mation requests*. Use addi	tional pages if nece	ssary.	
l. Please s	state the vector's name:				
. Piease s	state the vector components:			at a second	
3. Please d	describe the genetic material st	accessfully transferred into	the subject variety:		
l. Please d	describe the insertion protocol:				
he "Trans letails of t	erature citation(s) explaining the sgenic Composition" portion of he vector components and inse pment, Identification, and Cha	f this form. This section is rt elements are summarized	fully addressed in t I in Figure 1 and T	the following publ able 1 on page 14:	ication. Specific 53. Padgette, S.R. et
G. BIOC	CHEMICAL MARKERS	·	<u> </u>		
Please desc	cribe any biochemical informate e Sequences Repeats, Restricti	tion here, which you believe on Fragment Length Polym	will be helpful in f	urther describing Characterization	the subject variety
pages if ne		5 5 7	,		

H. COMMENTS

200300101

Exhibit D. Additional Description of the Variety

Soybean Variety 93M80

In Exhibit C we have identified variety 93M80 as susceptible to bacterial blight, brown spot, pod and stem blight, rhizoctonia root rot, bud blight, yellow mosaic, cowpea mosaic, pod mottle and seed mottle.

This does not mean that variety 93M80 is any worse for these problems than other varieties of similar maturity. Rather, we do not consider 93M80 to be immune to these problems. Therefore, we have chosen to be conservative and have identified the line as "susceptible".

Variety 93M80 is a late Group 3 variety. If Group 3 varieties are divided into tenths, the relative maturity of 93M80 is 3.8.

REPRODUCE LOCALLY. Include form number and edition date on a	all reproductions.	ORM APPROVED - OMB No. 0581-005					
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EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).						
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION	2. VARIETY NAME					
Pioneer Hi-Bred International, Inc	OR EXPERIMENTAL NUMBER 93M80						
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (Include area code)	6. FAX (Include area code)					
7300 N.W. 62 nd Avenue P.O. Box 1004 Johnston, IA 50131-1004	515-254-2638	515-253-2478					
	7. PVPO NUMBER 2003	00101					
8. Does the applicant own all rights to the variety? Mark an "X" in the lf no, please explain.	ne appropriate block.	X YES NO					
9. Is the applicant (individual or company) a U.S. National or a U.S.	based company?						
If no, give name of country	and sompany.	XYES NO					
10. Is the applicant the original owner?	If no, please answer one of the fol	lowing:					
X YES N	10	g.					
a. If the original rights to variety were owned by individual(s), is	(are) the original owner(s) a U.S. Nation	al(s)?					
YES NO If no, give name of count	trv						
b. If the original rights to variety were owned by a company(ies		and namanu 2					
		sed company?					
YES NO If no, give name of count	try						
11. Additional explanation on ownership (If needed, use the reverse	for extra space):						
•							
Please Note:							
Plant variety protection can only be afforded to the owners (not licen	sees) who meet the following criteria:						
If the rights to the variety are owned by the original breeder, that protection accountry which affords similar protection to nationals of a country which affords similar protection.	person must be a U.S. national, national of the U.S. for the same genus and speci	of a UPOV member country, or es.					
If the rights to the variety are owned by the company which employ nationals of a UPOV member country, or owned by nationals of a genus and species.	oyed the original breeder(s), the company country which affords similar protection	must be U.S. based, owned by to nationals of the U.S. for the same					
3. If the applicant is an owner who is not the original owner, both the	original owner and the applicant must m	neet one of the above criteria.					
The original breeder/owner may be the individual or company who d Act for definitions.	irected the final breeding. See Section 4	1(a)(2) ot the Plant Variety Protection					
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